

1 each of said power cables also being connected
2 to the section of broadband telecommunications network so
3 that telecommunications signals are transmissible between
4 the section of broadband telecommunications network and
5 each of said power cables,

6 wherein a telecommunications signal is
7 transmissible to and/or from said plurality of premises by
8 being transmitted along the section of broadband
9 telecommunications network and also along the respective
10 power cable of each of said premises.

1 15. A network according to claim 14 further
2 including satellite receiving means for receiving
3 telecommunications signals from a satellite transmitter,
4 wherein a telecommunications signal is transmissible from
5 said satellite transmitter to said plurality of premises
6 via said satellite receiving means, said section of
7 broadband telecommunications network and said power
8 cables.

1 16. A network according to claim 14, including a
2 plurality of interface units, each of said interface units
3 connecting one of said power cables to said section of
4 broadband telecommunications network, each of said
5 interface units including high pass filter means for

6 allowing high frequency telecommunications signals to pass
7 between said section of broadband telecommunications
8 network and said power cable, and for preventing low
9 frequency mains electrical power signals from passing
10 therebetween.

1 17. A network according to claim 14, wherein said
2 section of broadband telecommunications network includes
3 any or all of fiber optic, twisted pair or co-axial cable.

1 18. A network linking a plurality of premises,
2 comprising:

3 a section of broadband telecommunications
4 network,

5 a plurality of electrical power cables each
6 connected to a respective one of the premises for
7 supplying mains electrical power thereto, and each being
8 entirely external to said plurality of premises, and

9 a plurality of interface units, each of said
10 interface units connecting one of said power cables to
11 said section of broadband telecommunications network, each
12 of said interface units including a high pass filter for
13 allowing high frequency telecommunications signals to pass
14 between said section of broadband telecommunications
15 network and said power cable, and for preventing low

16 frequency mains electrical power signals from passing
17 therebetween,

18 wherein a telecommunications signal is
19 transmissible to and/or from said plurality of premises by
20 being transmitted along the section of broadband
21 telecommunications network and also along the respective
22 power cable of each of said premises, and

23 further including a satellite receiver for receiving
24 telecommunications signals from a satellite transmitter,
25 wherein a telecommunications signal is transmissible from
26 said satellite transmitter to said plurality of premises
27 via said satellite receiver, said section of broadband
28 telecommunications network and said power cables,

29 wherein said section of broadband telecommunications
30 network includes any or all of fiber optic, twisted pair
31 or co-axial cable.

1 19. A method of transmitting a telecommunications
2 signal between a pair of buildings, including the steps
3 of:

4 (i) transmitting the signal from a first
5 building along an external power cable for supplying mains
6 power to the first building, followed by

7 (ii) transmitting the signal along a section of
8 broadband telecommunications network, followed by

9 (iii) transmitting the signal along a second
10 external power cable for supplying mains electrical power
11 to the second building.

1 20. A method of transmitting a telecommunications
2 signal according to claim 19, wherein the carrier
3 frequency of said telecommunications signal is at least
4 1MHz.

1 21. A method of transmitting a telecommunications
2 signal according to claim 19, wherein a telecommunications
3 signal is transmitted from a satellite transmitter to said
4 buildings by reception of said signal from said satellite
5 transmitter by a satellite receiver coupled to said
6 broadband telecommunications network for transmission of
7 said telecommunications signal from said satellite
8 receiver over said broadband telecommunications network to
9 said external power cables to said buildings.

1 22. A method of transmitting a telecommunications
2 signal to respective telecommunications apparatus in each
3 of a plurality of buildings, including the steps of:

4 (i) transmitting the telecommunications signal over
5 a broadband telecommunications line paralleling an
6 electrical power distribution line external to said

7 buildings, said electrical power distribution line
8 supplying power to each of said buildings via a respective
9 power cable, said respective power cable being connected
10 to said electrical distribution line at a branch point
11 external to said each of said buildings;

12 (ii) near the respective branch point connecting said
13 respective power cable to said electrical power
14 distribution line and at a location external to said each
15 of said buildings, injecting said telecommunications
16 signal from said broadband telecommunications line onto
17 said respective power cable for conveying said
18 telecommunications signal over said respective power cable
19 to said each of said buildings; and

20 (iii) near or in said each of said buildings,
21 conveying said telecommunications signal from said
22 respective power cable to said telecommunications
23 apparatus in said each of said buildings.

1 23. A method as claimed in claim 22, which further
2 includes a first telecommunications apparatus in a first
3 building sending a telecommunications signal to a second
4 telecommunications apparatus in a second building by
5 signal transmission from the first telecommunications
6 apparatus to a first power cable connecting the electrical
7 power distribution line to said first building, followed

8 by signal transmission from the first power cable to said
9 broadband telecommunications line, followed by signal
10 transmission from said broadband telecommunications line
11 to a second electrical power cable connecting said
12 electrical power distribution line to said second
13 building, followed by signal transmission from said second
14 electrical power cable to said second telecommunications
15 apparatus.

1 24. A method as claimed in claim 22, wherein said
2 telecommunications signal has a carrier frequency of at
3 least 1MHz.

1 25. A method as claimed in claim 22, which further
2 includes transmitting said telecommunications signal from
3 a satellite transmitter to a satellite receiver coupled to
4 said broadband telecommunications line for transmission of
5 said telecommunications signal from said satellite
6 receiver over said broadband telecommunications line to
7 said electrical power cables to said buildings. --

REMARKS

This Preliminary Amendment is intended to place the application in conformance with U.S. Practice. The